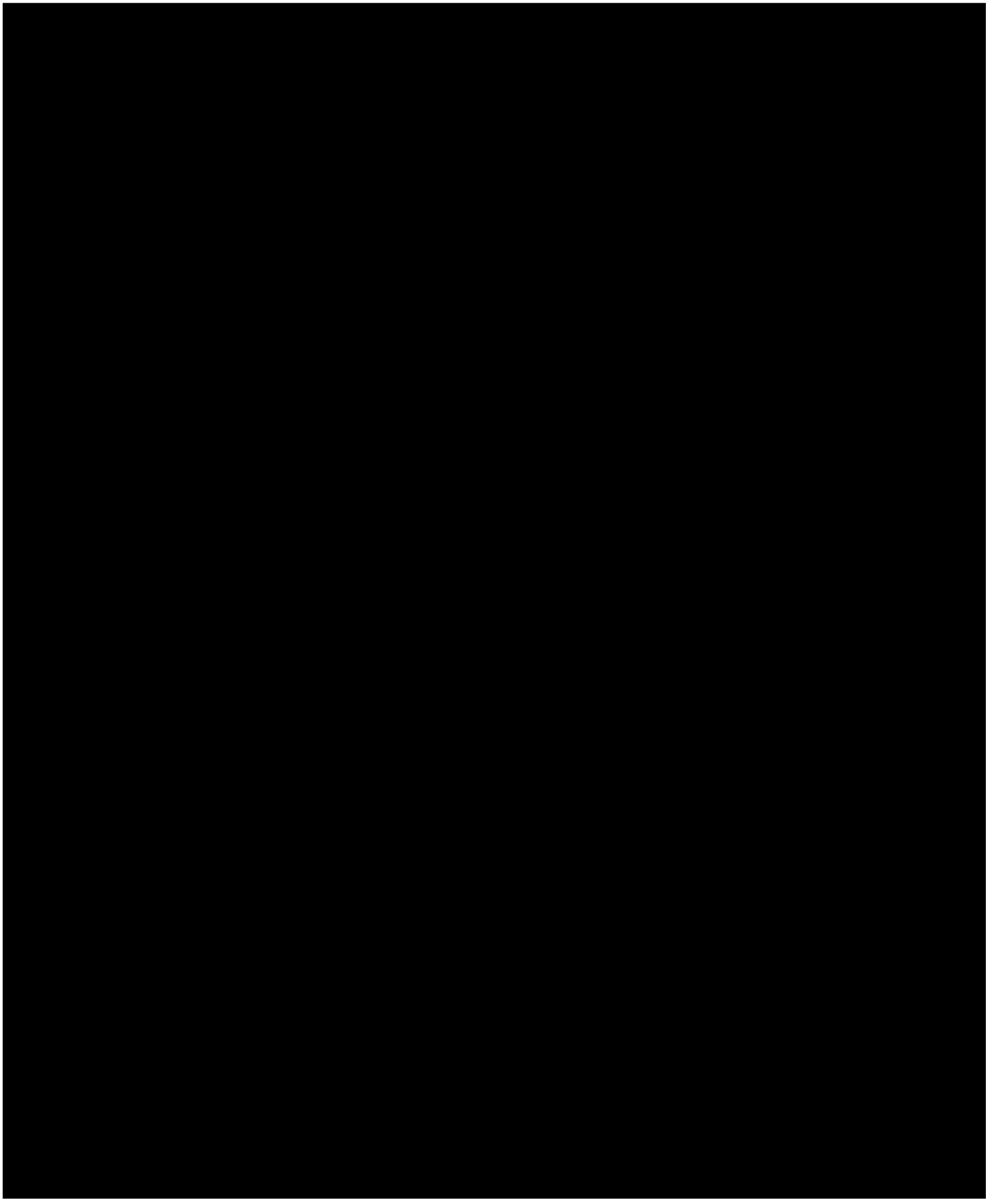


25X9

CIA No. 9460

28 January 1975

25X1A

MEMORANDUM FOR: [redacted]
DIA/SC
Department of Defense
Room 3E268, Pentagon

SUBJECT: Request for the Declassification of Defense Department Information

1. As a follow-up to our phone conservation of 23 January, I am enclosing a draft copy of an Office of Economic Research (OER) project entitled, "Prices of Machinery and Equipment in the People's Republic of China." It is presently classified CONFIDENTIAL/NO FOREIGN DISSEM, but we are attempting to clear the classified source material with the originators to enable us to issue this report on an unclassified basis. Some Department of Defense classified source material is included.

2. The draft copy has been annotated to indicate where this material appears. There are ten Defense sources involved, and a listing of them is attached to the draft. The red numbers in the text correspond to the numbers assigned to the ten sources.

SUBJECT: Request for the Declassification of Defense Department Information

3. We would appreciate your assistance in arranging for the declassification of this source material. Queries may be addressed to the undersigned on Code 143, extension 7234, or directly to the responsible analyst, 25X1A [redacted] Code 143, extension 6202.

25X1A [redacted]

Chief, Control Section
OER Production Staff

Attachments:

1. Draft Project No. 21.08002 (1 copy)

2. List of Classified Defense Department Sources

Distribution: Original & 1 - Addressee
1 - Ch/D/C
1 - C/CH
25X1A 1 - St/P/C
1 - Chrono'

OER/StP/C [redacted]:tg/7234 (27 Jan 75)

Annotated Copy. Do not destroy

Prices of Machinery and Equipment in The People's Republic of China

OER Project No. 21.08002

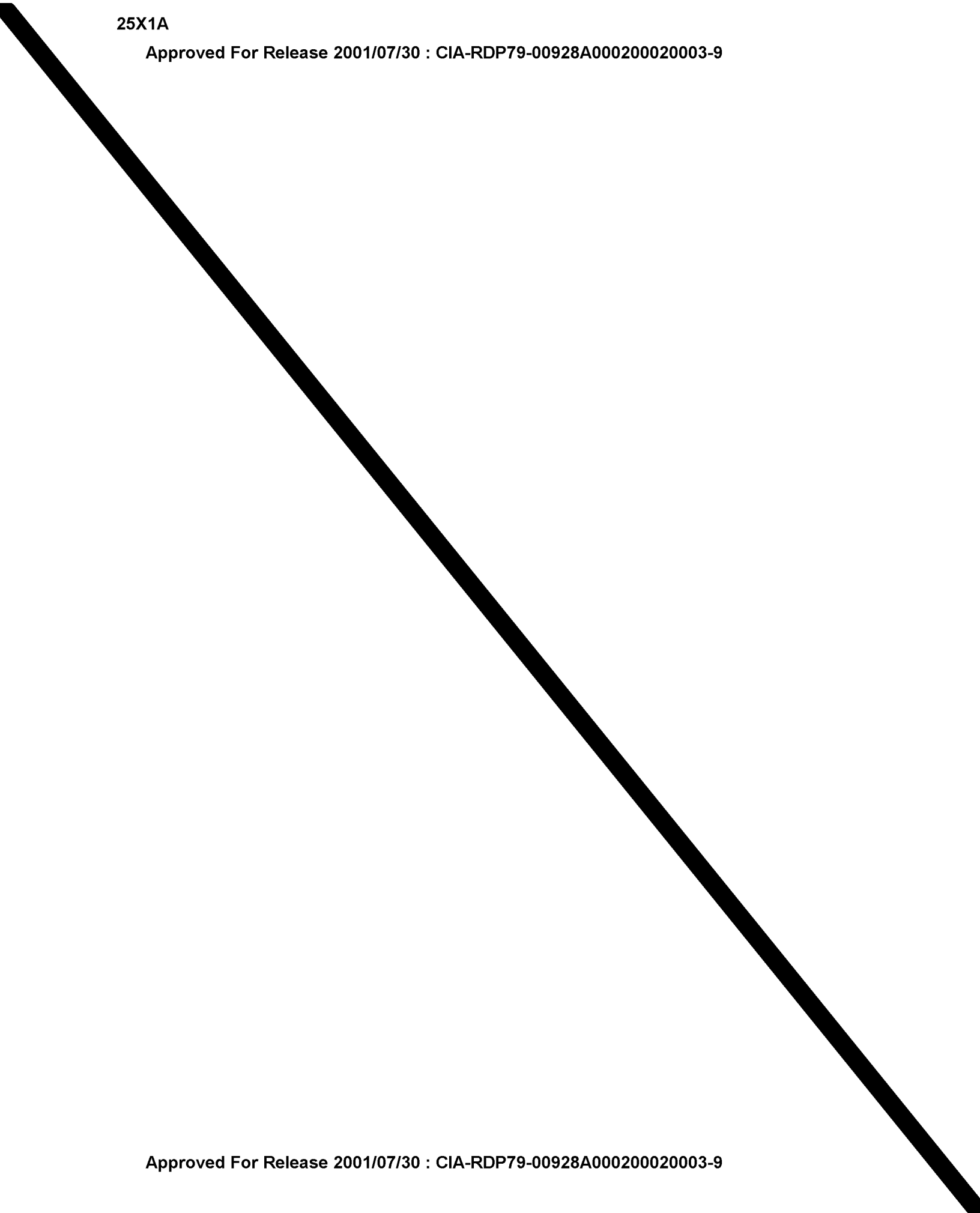
This draft has been written in the form it would take when it is declassified. At present it must carry a CONFIDENTIAL NFD classification.

25X1A

[redacted]
OER/C/CH x 9100
8 January 1975

CONFIDENTIAL NO FOREIGN DISSEM

Approved For Release 2001/07/30 : CIA-RDP79-00928A000200020003-9



Approved For Release 2001/07/30 : CIA-RDP79-00928A000200020003-9

Prices of Machinery and Equipment in the People's Republic of China

1. This handbook of machinery and equipment prices in the People's Republic of China was prepared as a research aid for use in analysing Chinese industrial progress. It consists of two sections: a table of machinery and equipment prices for the years 1952, 1957, 1965, and 1972; and an Appendix that presents the source information.

2. All prices are in current yuan and are as expressed in the years indicated, with the exception of prices before 1955. The latter prices have been adjusted for the 10,000-to-1 currency conversion effected in March 1955. With a few exceptions, the prices are ex-factory prices (ch'u-ch'ang chia-ko), that is, the transfer prices used by an equipment manufacturing plant in selling its products to other industrial plants or to wholesale enterprises. Where enough data were available, a national average price was constructed on the basis of an unweighted arithmetic mean. In most cases, however, the price is the mean of only a few quotations. Products listed in the Appendix but not in the table are items for which the price data are too fragmentary to permit the estimation of a time series.

3. The prices listed in the table are believed to be representative of Chinese machinery prices for the years indicated. For the most part, they are prices for items in serial production over long periods where a learning curve has raised the productivity of labor and capital. Thus, it is not surprising that the table shows -- what the Chinese have noted at various times in their press -- a general price decline since 1952. However, some items show an increase in price over time, which may reflect increases in quality or difficulties arising from a small sample of prices. For example, the increase between 1965 and 1972 in the price of boilers is probably explained by increases in quality. The price increase of tube-type radios between 1965 and 1972 cannot be explained satisfactorily.

TABLE

Prices of Chinese Machinery and Equipment for Selected Benchmark Years

	Category	Code a/	Item	Measure	Price in Current Yuan 1952	1957	1965	1972
I.	Power Equipment	2151-21842						
	1. Steam Boilers	2151-2155	Average Boiler	Metric Ton per Hour	12,060	13,700	11,800	13,560
	2. Steam Turbines	2156-21615	Average Turbine	Kilowatt	95.04	91.67	76.05	68.10
	3. Hydroturbines	2162-21624	Average Turbine	Kilowatt	120.70	53.62	80.00	31.58
	4. Internal Combustion Engines	2165-2172	100-200 Horsepower	Horsepower	150.00	147.98	140.07	143.93
	5. Electric Generators	2175-217723	Average AC Generator	Kilowatt	91.72	57.14	40.00	67.90
	6. Electric Motors	2181-21842	4-50 KW Motor	Kilowatt	144.01	96.21	76.00	53.21
II.	Electric Equipment	220-22475						
	1. Transformers	2201-22033	3-Phase Oil Cooled	Kilovolt Amperes	46.34	25.99	18.65	11.30
III.	Metal Cutting Machine Tools	225-23083						
	1. Lathes	2251-2259	C-620 Lathe	Unit	12,300	10,200	9,200	6,000
	2. Planers	2271-2273	See Appendix					
IV.	Forging and Pressing Machinery	231-2348						
	1. Punch Presses	2342	See Appendix					
V.	Weaving, Knitting, Sewing, and Printing and Dyeing Industries Equipment	304-3225						
	1. Cotton Textile Machinery	305-30819						
	a. Looms	30711	Type 51 Loom	Unit	1,550	1,407		
	b. Spindles	30811-30812	Average Spindle	Unit	12.12	11.00	13.00	15.00
	2. Sewing Machines	32027-32032						
	a. Wholesale Price		Average Sewing Machine	Unit	190.00	108.50		
	b. Retail Price		Average Sewing Machine	Unit b			140.00	152.00
VI.	Agricultural Machinery	395-3984						
	1. Tilling Tools	3951-39552	Double Wheel Double Blade Plow	Unit	90.00	61.50	44.00	27.30
	2. Sowing Machinery	3557-3961	10-row Seeder	Unit				726.00
	3. Harvesting Machinery	3971-3975	See Appendix					
	4. Irrigation Water-lifting Machinery	3975-39792	Motor & Pump Set	Horsepower		221.83		
VII.	Tractors	399-39983						
	1. 15 Horsepower Units	3991	Standard Tractor	15 HP Unit		10,370	8,681	10,720
VIII.	Railroad Rolling Stock and Equipment	401-40421						
	1. Steam Locomotive	4011-40123						
	a. MK-1 Locomotive		MK-1	Unit	200,000	181,540		
	b. Peace Locomotive		Peace Model	Unit		234,200	201,720	
	2. Diesel Locomotive	4015	General Diesel	2000 HP Unit		625,000	542,500	476,900
	3. Freight Cars	4021-40226	U-50 Gondola Car	Unit	17,330	15,730		
IX.	Merchant Vessels	419-4273						
	1. Self Powered Boats	4190	Passenger Steamship	Deadweight Ton	5,443	4,946		
				Light-ship Displacement	3,336	3,028		
X.	Motor Vehicles and Parts	430-44155						
	1. Motor Vehicles	4301-4305	4-ton Liberation Truck	Unit		18,000	17,000	13,840
XI.	Telecommunication Equipment and Parts	446-44814						
	1. Radio Receivers	4471						
	a. Tube Type		5-tube Radio	Unit b	75.00	69.40	50.00	57.90
	b. Transistor Type		General Receiver	Unit b		106.70	106.70	92.71
XII.	Cultural and Consumer Products	5331-5502						
	1. Bicycle	5331	Average Bicycle	Unit b	147.16	159.00	159.00	159.00
	2. Wristwatch	5347	Average Watch	Unit b		112.00	120.00	120.00

a. State Statistical Bureau, Kung-yeh Ch'an-p'in Mu-lu, (Index of Industrial Commodities), Peking, 1953, pp. 41-85.

b. Retail Price

APPENDIX

1. This Appendix provides reference data for the table of Chinese prices of machinery and equipment. The prices were obtained primarily from information in Chinese news media and professional journals. For the years 1965 and 1972, some price data have been gleaned from reports [redacted] 25X1C 25X1C An effort has been made to include only those prices derived from first-hand knowledge or from official statements by the Chinese to the reporting individual.

2. All prices, with the exception of those for sewing machines in 1965 and 1972, radios, bicycles, and wristwatches, are ex-factory prices. Retail prices have been reported for these items as the only prices available.

3. If the price for only one year of 1952 and 1957 was known, a wholesale price index of 1952=100.0 and 1957= 90.77 was used to calculate the unknown price. This deflator was drawn from the Shanghai wholesale price index for industrial goods.* No similar index is available for 1965 or 1972.

* Academica Sinica, Shanghai Economic Research Institute, and Shanghai Academy of Social Science, Economic Research Institute, Shanghai Chie-fang Chien-hou Wu-chieh Tzu-liao Hui-pien 1921-1957 (A Compliation of Reference Materials of Shanghai Commodity Prices Before and After Liberation), Shanghai Jen-min Ch'u-pan-she, Shanghai, October 1958, pp. 456-459.

4. A national consumer goods price index* of 1952=100.0 and 1957=92.5 was also calculated and applied where a 1952 or 1957 retail prices was unknown and desired.

5. In the remaining discussion the following abbreviations for periodicals are used:

* State Statistical Bureau, Ten Great Years, Foreign Languages Press, Peking, 1960, p. 87. The output value of consumer products from industry is given for 1957 in 1952 yuan and 1957 yuan.

CCYC	Ching-chi yen-chiu (Economic Research), Peking.
CHCC	Chi-hua ching-chi (Planned Economy), Peking.
CHKY	Chi-hsieh kung-yeh (Machinery Industry), Peking.
CHKYCP	Chi-hsieh kung-yeh chou-pao (Machinery Industry Weekly), Shanghai.
ECMM	Extracts from Chinese Mainland Magazines, Hong Kong, U.S. Consulate General.
FBIS	Foreign Broadcast Information Service, Washington, D.C.
JMJP	Jen-min jih-pao (People's Daily), Peking.
JMTY	Jen-min tien yeh (People's Power Industry), Peking.
JPRS	Joint Publications Research Service, Washington, D.C.
KYCT	Kung-yeh chi-tsai (Industrial Materials), Peking.
SCMP	Survey of China Mainland Press, Hong Kong, U.S. Consulate General.
SLFT	Shui-li fa-tien (Hydroelectricity), Peking.
TCKT	Tung-chi kung-tso (Statistical Work), Peking.
TKP	Ta kung pao (Impartial Daily), Hong Kong and Peking.

I. Power Equipment

1. Steam Boilers

Only boilers used for commercial-scale power generation are included. China also produces many industrial boilers. The increase in price per metric ton per hour of steam output is not unusual. As boilers become larger and provide more output at higher pressures and temperatures, they become more expensive to produce. Large boilers were not produced in China in 1952.

SIZE	YEAR	PRICE	YUAN/TON/HR
20 ton/hour	1957	-	13,700[1]
35 ton/hour (Shanghai plant)	1959	406,200[2]	11,607
35 ton/hour (Harbin plant)	1959	347,300[2]	9,923
6.5 ton/hour (194°)	1962	75,000	11,538
6.5 ton/hour (375°)	1962	90,000	13,846
4 ton/hour K-4 type	1965	40,000	10,000
75 ton/hour (Drives 12.5 MW steam turbine)	1973	1,200,000[3]	16,000[1]
120 ton/hour (Drives 25 MW steam turbine)	1973	1,800,000[3]	15,000[1]
230-240 ton/hour (Drives 52 MW steam turbine)	1973	3,000,000[3]	12,766[1]

SIZE	YEAR	PRICE	YUAN/TON/HR
410 ton/hour (Drives 100-125 MW steam turbine)	1973	5,500,000[3]	13,415[1]
670 ton/hour (Drives 200 MW steam turbine)	1973	9,500,000[3]	14,179[1]
4 ton/hour K-4 type	1973	40,000[3]	10,000[1]

Notes and sources:

1. JMTY, No. 32, 1957, p. 29. Taken as one-half of a complete boiler room given as 27,400 yuan per ton/hour.

2. CHKYCP, 11 May 1959, p. 5. The costs given in this article are marked up by 35%. The mark-up is from source No. 3 below.

3. Costs and prices given by this source indicate a 35% mark-up.

The price series for boilers (in current yuan per ton/hour) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	15,090	The 1957 price inflated by the Shanghai Wholesale Price Index.
1957	13,700	
1965	11,800	The mean of the three 1962-1965 unit prices.
1972	13,560	The mean of the six 1973 unit prices.

2. Steam Turbines

This category includes only steam turbines used to power large scale electric generators.

SIZE	YEAR	PRICE	YUAN/KW
3000 KW	1951	302,526[1]	100.84
6000 KW	1951	535,440[1]	89.24
6000 KW	1957	550,000[2]	91.67
1500 KW	1959	123,120[3]	82.08
12,500 KW	1973	1,300,000[4]	104.00[1]
25,000 KW	1973	1,900,000[4]	76.00[1]
50,000 KW	1973	3,000,000[4]	60.00[1]
100,000 KW	1973	5,300,000[4]	53.00[1]
200,000 KW	1973	9,500,000[4]	47.50[1]

Notes and sources:

1. Management Division of the Ministry of Fuel Industry of the Central People's Government, Chu-yao she-pei chi ts'ai-liao ku-chia piao-chun mu-lu (Catalogue of Standard Prices of Important Equipment and Materials), Hsin-hua Shu-tien, Peking, November 1951.

2. CCYC, No. 4, 1958, p. 11. A mark-up of 44.7% is calculated from the cost of 380,000 yuan reported in CCYC, No. 3, 1957, p. 66.

3. CHKYCP, 11 May 1959, p. 5. The costs at four different plants making the 1500 KW steam turbine have been averaged and then marked up by 44.7%.

4. Manufactured at Harbin. The costs and prices given by this source indicate an average mark-up of about 35%.

The price series for steam turbines (in current yuan per kilowatt) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	95.04	The mean of the two 1951 unit prices.
1957	91.67	
1965	76.09	Interpolated between the 1959 and 1973 unit prices.
1972	68.10	The mean of the five 1973 unit prices.

3. Hydroturbines

Turbines for hydroelectric power generation vary considerably in price per kilowatt. Such design requirements as water head, blade diameter, and rotational speed are more important cost considerations than absolute kilowatt rating. For this reason low water head units are included in this listing for reference but are not used in the calculations. It is assumed that large capacity units do not differ significantly in price per kilowatt from the small units.

SIZE	YEAR	PRICE	YUAN/KW
1050 KW	1950	30,000[1]	28.57
37 KW	1951	6,000[1]	162.16
74 KW	1951	18,000[1]	243.24
186 KW	1951	18,000[1]	96.77
410 KW	1952	50,000[1]	121.95
74 KW	1952	8,000[1]	108.11
334 KW Low water head	1952	57,000[1]	170.66
100 KW Low water head	1952	18,000[1]	180.00
130 KW	1952	15,000[1]	115.38
448 KW	1952	40,000[1]	89.29

SIZE	YEAR	PRICE	YUAN/KW
170 KW Low water head	1955	70,000[2]	411.80
25 HP (18.65 KW)	1957	1,000[3]	53.62
134 KW Low water head	1957	25,000[4]	186.60
8 KW	1958	860[5]	107.50
125 KW Type S6-7	1965	10,000	80.00
25 Hp (18.65 KW)	1972	500[2]	26.81
30 HP (22.38 KW)	1972	800[2]	35.75
50 HP (37.30 KW)	1972	1,200[2]	32.17

Notes and Sources:

1. SLFT, No. 12, 1958, p. 28.

2. Ibid. This is not a typical unit because of the low water head.

3. 600 Million Build Industry, Foreign Languages Press, Peking, 1958, p. 147.

4. SLFT, No. 12, 1958, p. 28. This is not a typical unit because of the low water head.

5. Ibid., pp. 15-17, and SLFT, No. 14, 1958, p. 44.

The price series for hydroturbines (in current yuan per kilowatt) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	120.70	The mean of the eight 1950-1952 unit prices.
1957	53.62	
1965	80.00	
1972	31.58	The mean of the three 1972 unit prices.

4. Internal Combustion Engines

Internal combustion engines consist of diesel, gasoline, coal-gas, and donkey engines. The list below consists of prices for diesel engines, which make up the majority of internal combustion engines produced in China. Engines of less than 15 HP are listed below for references but are not used in the calculation of the price series. Cost figures were marked up by 50%.[1]

SIZE	YEAR	PRICE	YUAN/HP
100 Hp and under	1951	-	180.00[2]
100 - 200 HP	1951	-	150.00[2]
200--500 HP	1951	-	120.00[2]
500 HP and over	1951	-	90.00[2]
40 HP	1958	5978.[3]	149.45
40 HP	1958	5338.[3]	133.45
32 HP	1958	7710.[3]	240.94
32 HP	1958	5966.[3]	186.44
8 HP	1958	1563.[3]	195.38
8 HP	1958	1839.[3]	229.88
12 HP	1958	6510.[3]	542.50
10 HP	1962	2491.	249.10
20 HP	1962	3677.	183.85
40 HP	1962	8000.	200.00

SIZE	YEAR	PRICE	YUAN/HP
7.5 HP Donkey engine	1962	2000.[4]	266.67
20 HP	1962	3000.[4]	150.00
30 HP	1962	6000.[4]	200.00
20 HP Type 2105	1963	2803.	140.10
1000. HP, Model B2-1000	1964	72,654.	72.65
25 HP	1964	2,500.[5]	100.00
28 HP	1965	6,313.	225.46
120 HP	1969	15,000.	125.00
135 HP	1969	22,000.	162.96

Notes and Sources:

1. Chu-yuan Cheng, The Machine Building Industry in Communist China, New York, Aldine Press, 1971, p. 268.

2. Management Division of the Ministry of Fuel Industry of the Central People's Government, op.cit.

3. CHCC, No. 9, 1958, p. 39.

4. JMJP, 14 Sept. 1962, p. 2. In this calculation, the donkey engines are assumed to be 7.5 HP - a common size.

5. May be a used engine.

To prevent distortion by price differences due solely to the size of the engines, the average price of the 100 - 200 HP engines is used as a standard. All small engine prices are converted to that range using the ratio of the prices given for 1951.

The price series for internal combustion engines (in current yuan per horsepower) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	150.00	The 1951 price for the 100-200 HP range.
1957	147.98	The mean of the four 1958 adjusted/unit prices.
1965	140.07	The mean of the eight 1962-1965 adjusted unit prices.
1972	143.98	The mean of the two 1969 unit prices.

5. Electric Generators

Generators produced in the PRC have steadily increased in size over the years. No large-scale generators were produced prior to 1955. When China began to build units of 100,000 KW and up in the 1960's, many were made with a water cooled rotor. Water cooling is more expensive than standard hydrogen cooling and may explain the rise in price between 1965 and 1973. The hydroelectric generators listed are about twice as expensive as the termal generators.

SIZE	YEAR	PRICE	YUAN/KW
160 KW Hydro-electric	1955	60,000[1]	375.00
6,000 KW Thermal electric	1956	342,840[2]	57.14
130 KW Hydro-electric Asynchronous	1957-8	15,700[1]	120.77
6,000 KW Thermal electric	1965	240,000	40.00
12,500 KW Thermal electric	1973	1,300,000	104.00'
25,000 KW Thermal electric	1973	1,900,000	76.00'
50,000 KW Thermal electric	1973	3,000,000	60,00'
100,000 KW Thermal electric	1973	5,200,000[3]	52.00'
200,000 KW Thermal electric	1973	9,500,000	47.50'

Notes and sources:

1. SLFT, No. 12, 1958, p. 29.

2. ECMM, No. 67, 28 Jan 1957, p. 18.

3. This unit, reported as 100,000 KW, may actually have been a 125,000 KW unit.

An electrical equipment price index was constructed using the prices of transformers and electric motors for 1952 and 1957 with an average of the output for these two categories. The following data was used:

	Price 1952	Price 1957	Output 1952	Output 1957
Transformers	46.34	25.99	1,167[1]	3,590[2]
Motors	144.01	96.21	639[3]	1,455[3]

The index is of the form: $I_{57} = \frac{Pi57(Qi52+Qi57)}{Pi52(Qi52+Qi57)} \times 100.$

The 1957 price index of 62.3 is used to determine the 1952 price for electric generators.

Notes and sources:

1. State Statistical Bureau, Wo-kuo kang-t'ieh, tien-li, mei-tan, chi-hsieh, fang-chih, Tsao-chih kung-yeh ti chin-hsi (Past and present of China's Iron and Steel, Electric Power, Coal, Machine Building, Textile, and Paper Industries) T'ung-chi ch'u-pan-she, Peking, 1958, p. 114.

2. CHKY, No. 3, 1958, p. 3. in thousand KVA.

3. Ten Great Years, op.cit. p. 97, Output in thousand KW.

The price series for thermal electric generators (in current yuan per kilowatt) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	91.72	The 1957 price deflated by the Electrical Equipment Price Index.
1957	57.14	The 1956 unit price.
1965	40.00	
1972	67.90	The mean of the five 1973 unit prices.

6. Electric Motors

Only AC multi-pole three phase motors have been priced. Fractional horespower motors, single phase motors, DC motors, and split phase motors are not included because of their inherent cost differences. It is assumed that the average motor is between 4 KW and 50 KW in size.

SIZE	YEAR	PRICE	YUAN/KW
100 HP (74.6 KW)	1952	12,418.80[1]	166.00
100 HP (74.6 KW)	1952	10,000.00[1]	134.00
50 HP (37.3 KW)	1952	3,538.00[1]	94.85
20 HP (14.9 KW)	1952	1,494.50[1]	100.30
5 HP (3.7 KW)	1952	610.00[1]	164.90
3 HP (2.24 KW)	1952	257.50[1]	204.00
30 KW	1958	6,835.00[2]	227.83
30 KW	1958	8,506.00[2]	283.53
2.8 KW, 4-pole	1958	255.00[2]	91.07
2.8 KW, 4-pole	1958	210.00[2]	75.00
115 KW	1959	2,976.00[3]	25.88
115 KW	1959	3,594.00[3]	31.25
100 KW	1959	2,969.00[3]	29.69
100 KW	1959	2,426.00[3]	24.26
4.5 KW	1959	430.00[3]	95.56
4.5 KW	1959	456.00[3]	101.33
4.5 KW	1959	328.00[3]	72.89
7 KW	1965	595.00	85.00
10 KW (J40P)	1965	670.00	67.00

1.5 KW	1972	100.00 [3]	66.70
2.8 KW	1972	150.00 [3]	53.60
5 KW	1972	300.00 [3]	60.00
7 KW	1972	380.00 [3]	54.30
10 KW	1972	500.00 [3]	50.00
14 KW	1972	600.00 [3]	42.90
20 KW	1972	900.00 [3]	45.00

Notes and Sources:

1. KYCT, No. 1, 1952.

2. CHKY, No. 8, 1958, pp. 5-6. The costs of the 30 KW units appear excessive; they may be cost data from inefficient plants. The cost data given were marked up by 50%. The mark-up is derived from cost and price data on transformers in the section below.

3. CHKYCP, 11 May 1959. The cost data given were marked up by 50%. The mark-up is derived from cost and price data on transformers in the section below.

The price series for electric motors (in current yuan per kilowatt) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	144.01	The mean of the six 1952 unit prices.
1957	96.21	The mean of the eleven 1958-9 unit prices.
1965	76.00	The mean of the two 1965 unit prices.
1972	53.21	The mean of the seven 1972 unit prices.

II. Electric Equipment

1. Transformers

Only oil-cooled power transformers are included. Communications and appliance type transformers are excluded from this category.

SIZE	YEAR	PRICE	YUAN/KVA
The mean of nine unit prices. (50 KVA - 2000 KVA)	1952	...	46.34[1]
The mean of three unit prices for a 180 KVA unit.	1958	4,678	26.00[2]
The mean of sixteen unit prices. (100 KVA - 750 KVA)	1959	...	26.39[3]
The mean of three unit prices for a 1000 KVA unit.	1959	17,944	17.94[3]
The mean of eighteen unit prices. (50 KVA - 180 KVA)	1959	...	26.97[4]
The mean of twenty-five unit prices. (25 KVA - 5600 KVA)	1972	...	11.30[3]

Notes and Sources:

1. KYCT, No. 1, 1952, pp. 26-29.

2. CHKY, No. 8, 1958, pp. 5-6. The cost data were marked up by 50%. The mark-up was derived from the average of the costs given in source No. 3 and the average of the prices given in source No. 4.

3. CHKYCP, 11 May 1959. The cost data were marked up by 50%. The mark-up was derived from the average of the costs given in source No. 3 and the average of the prices given in source No. 4.

4. JPRS, No. 10,893, 7 Nov 1961. A translation of T'ieh-lu Piao-chun She Chi Yu-suan Shou-ts'e (Standard Railway Design and Budget Handbook), People's Railroad Publishing Co., Peking, 1960.

The price series for transformers (in current yuan per kilovolt ampere) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	46.34	
1957	25.99	The mean of the forty unit prices for 1958-1959.
1965	18.65	Interpolated between the 1958 unit price and the 1972 unit price.
1972	11.30	

III. Metal-Cutting Machine Tools

1. Lathes

The most common Chinese metal-cutting machine tool is the lathe. Of all the lathes produced in China, the C-620 (a copy of the Soviet 1A62) is the most typical. The price of the C-620 lathe is used as representative of the price of all metal cutting machine tools produced in China. Prices for other lathes and machine tools are also given, where available.

ITEM	YEAR	YUAN/UNIT
Average Lathe	1953	12,300[1]
Average Lathe	1956	6,800[2]
Average Machine Tool	1957	1,200 - 1,600[3] per ton
1A62 Lathe	1957	10,200[4]
C-620-1, C-620 Lathe	1958	9,761[5]
C-630 Lathe	1958	21,070[6]
C-616 Lathe	1959	8,076[6]
C-630 Lathe	1959	17,000[7]
C-620 Lathe	1959	10,000[7]
C-620 Lathe	1964	9,200
C-616 Lathe	1964	7,700
C-620 Lathe	1967	7,500
C-620 Lathe	1974	6,000

Notes and Sources:

1. Ma Yin-ch'u, (Wo te Ching-chi Li-lun Chi-hsueh-ssu-hsiang ho Cheng-chih Li Ch'ang). Peking, 1958, p.27.

2. Ibid., pp.27-28.

3. CHCC, No. 9, 1957, in ECMM, No. 112, 23 Dec 1957, p. 27. The C-620 lathe, which weighs 2.5 tons, would be priced at 3,000 to 4,000 yuan , if its price per ton were the same as the average machine tool.

4. CHKY, No. 3, 1957, p. 10.

5. CHKY, No. 6, 1957, p. 9. The cost data were marked up by 100%. The mark-up was derived from the average of the costs in sources No. 5 and No. 6 and the average of the prices given in source No. 7.

6. CHKYCP, 11 May 1959, p. 5. The cost data were marked up by 100%. The mark-up was derived from the average of the costs in sources No. 5 and No. 6 and the average of the prices given in source No. 7.

7. Prices were given for the C-620 lathe and the C-630 lathe.

The price series for machine tools (in current yuan per unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	12,300	The 1953 price of the average lathe.
1957	10,200	The price of the 1A62 lathe.
1965	9,200	The 1964 price of the C-620 lathe.
1972	6,000	The 1974 price of the C-620 lathe.

2. Planers

The prices of several types of planers are noted below. As with lathes, these prices suggest that, as the skills necessary to produce them have been learned by Chinese industry, the price of standardized machine tools has dropped.

ITEM	WEIGHT	YEAR	PRICE	YUAN/MT
Universal Milling Machine	...	1951	14,800	
Universal Milling Machine	...	1970	11,160	
Planers/shaping machines				
B-665	1,850 Kg	1964	6,000	3,243
B-635	1,000 Kg	1969	3,000	3,000
B-660	1,850 Kg	1969	5,000	2,703
B-665	1,850 Kg	1969	5,200	2,811
B-6025	450 Kg	1969	2,800	6,222
B-2012	25,000 Kg	1973	60,000	2,400

IV. Forging and Pressing Equipment

1. Punch Presses

The great difference in size between the two units precludes drawing any conclusions about the trend in prices of punch presses.

SIZE	WEIGHT	YEAR	PRICE	YUAN/MT
40 ton (probably J23-40)	3.54 MT	1960	13,000	3,672
315 ton (JA31-315T)	38.47 MT	1973	50,000	1,291

V. Weaving, Knitting, Sewing, and Printing and Dyeing Industries Equipment.

1. Cotton Textile Machinery

a. Cotton Looms

ITEM	YEAR	YUAN/UNIT
Type 51 Loom	1952	1,550[1]

Notes and Sources:

1. KYCT, No. 1, 1952, p. 34. A copy of the Japanese Toyoda Manufacturing Company's "Bountiful Harvest" brand loom.

The price series for looms (in current yuan per unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	1,550	
1957	1,407	The 1952 Unit price deflated by the Shanghai Wholesale Price Index.

b. Spindles

ITEM	YEAR	YUAN/SPINDLE
Model 1252	1957	11.00[1]
Model A512 spinning machine	1973	15.00[2]

Notes and Sources:

1. The value of 600 spinning machines of model 1252 was given as 1.9 million yuan. On the assumption that the spindles account for one-half of the value, the unit price is 11.00 yuan per spindle. See also FBIS, 27 Sept. 1957 pp. ccc 2-3 where 6.4 million yuan is allocated for textile plant improvements including 130,000 spindles cleaning machines, combers, drawing and slubbing machines, and the spinning machines which contain the spindles. If the spindles cost 11.00 yuan each, they would

represent 22% of the total value of the improvements. This share appears reasonable.

2. The 1512 spinning machine is priced at 12,000 yuan. Using the same method as in note No. 2, above, a unit price of 15.00 yuan is derived.

The price series for spindles (in current yuan per spindle) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	12.12	The 1957 unit price inflated by the Shanghai Wholesale Price Index.
1957	11.00	
1965	13.00	Interpolated between the 1957 and 1973 unit prices.
1972	15.00	The 1973 unit price.

2. Sewing Machines

ITEM	YEAR	YUAN/UNIT
Ex-factory prices		
General sewing machine	1952	190.00[1]
General sewing machine	1957	108.60[1]
Retail Prices		
General sewing machine	1965	140.00[2]
Average of nine unit prices, nationwide	1972	152.78[2]
General sewing machine, Peking area	1972	137.00[3]
General sewing machine, Peking area	1974	167.00[4]

Notes and Sources:

1. TCKT, No. 4, 1957, p. 6. This source gives the total production value of unit output in constant 1952 prices and in current (1957) prices.

2. Lisa Hobbs, I Saw Red China, McGraw-Hill, New York, 1966, p.135.

3. Current Scene, Vol X, No. 1, 7 Jan 1972. This price is close to the Peking area price immediately above, suggesting that sewing machines are cheaper in the Peking area than elsewhere.

The ex-factory price series for sewing machines (in current yuan per unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	190.00	
1957	108.60	

The retail price series for sewing machines (in current yuan per unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1965	140.00	
1972	152.00	The mean of the 1972 and the 1974 unit prices.

VI. Agricultural Machinery

1. Tilling Tools

The common double-wheel double-blade (DWDB) plow is taken as the standard for this category.

ITEM	YEAR	YUAN/UNIT
Type 51 Plow Production Value	1952	25.00[1]
Type 51 Plow Production Value	1957	15.87[1]
DWDB Plow Model L-2-20	1953	90.00[2]
	1955	105.00[2]
	1956	61.50[2]
DWDB Plow	1974	27.30

Notes and Sources:

1. TCKT, No. 4, 1957, p. 6.

2. CHKY, No. 21, 1957, pp. 32-33. This article indicated that the price of the plow was set below manufacturing cost at times and profit was realized only when the cost of production was reduced.

The price series for the double-wheel double-blade plow (in current yuan per unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	90.00	The 1953 unit price.
1957	61.50	The 1956 unit price.
1965	44.00	Interpolated between the 1956 and 1974 unit prices.
1972	27.30	The 1974 unit price.

2. Sowing Machinery

ITEM	YEAR	PRICE
Seeders		
5 - row	1973	492.40
5 - row	1973	526.00
10 - row	1973	726.00
24 - row	1973	1,900.00

3. Harvesting Machinery

There are not enough prices on comparable items to construct a time series. The data suggest a downward trend in the prices of harvesting machinery.

ITEM	YEAR	PRICE
Rocker arm harvester	1954	850.00[1]
Rocker arm harvester	1955	750.00[1]
Rocker arm harvester	1956	460.00[1]
Combine harvester	1956	41,740.00[1]
Combine harvester	1957	20,000.00[1]
Thresher made in the Lin-hsien machine plant	1974	600.00
Kung-nung brand, 2S-700 thresher	1974	1,500.00

One source stated that there was a 20% price reduction on power operated threshers in 1966.[2]

Notes and Sources:

1. CHKY, No. 21, 1957, pp. 32-33.
2. FBIS, 4 Nov 1966, p. ddd-2.

4. Irrigation and Water-Lifting Machinery

ITEM	YEAR	YUAN/HP
Motor and pump set (2.1 HP)	1958	211.83[1]

Notes and Sources:

1. 600 Million Build Industry, op. cit., p. 60.

VII. Tractors

1. & 2. 15 Horsepower Units and Actual Units

There are wide differences in price between models of tractors. Although listed below, the prices of hand-guided tractors (less than 15 HP nominal) were not used in deriving the price series for tractors. The conversion to drawbar horsepower from nominal horsepower is assumed to be 0.64 to 1.0 unless otherwise known.[1] For a complete listing of tractor models see JPRS, No. 63,091, 30 Sept 1974.

a. Hand-guided tractors:

ITEM	DRAWBAR HP	YEAR	PRICE	YUAN/15 HP
5 HP tractor	3.2	1956	9,941.80[2]	46,602
2 HP hand tractor	1.3	1973	2,000.00[5]	23,077
5 HP hand tractor	3.2	1973	4,000.00[5]	18,750
Iron Ox 7 HP tractor	4.5	1973	10,000.00[6]	33,333[3]

b. Large tractors

ITEM	DRAWBAR HP	YEAR	PRICE	YUAN/15 HP
Standard tractor	15.0	1957	...	10,370[4]
54 HP tractor	36.0	1959	21,000[5]	8,750
Standard tractor	15.0	1960	...	10,000[6]
Standard tractor	15.0	1961	...	10,800[7]
Average Loyang tractor	36.0	1965	20,833[8]	8,681

Iron Ox, 55 HP	35.2	1972	25.000[2]	10,653
Tung-fang-hung 75 HP	48.0	1972	40,000[2]	12,500
Tung-fang-hung 75 HP	48.0	1973	30,000[9]	9,375[6]
Tung-fang-hung 28 HP	18.0	1973	18,000	15,000[6]
Feng-shou 35 HP	24.0	1973	18,000	11,250[6]
Iron Ox 55 HP	35.2	1974	13,000	5,540

Notes and Sources:

1. CHCC, No. 8, 1958, p. 41. Nine foreign made tractors are described.

2. ECMM, No. 67, 28 Jan 1957, p. 18.

3. This may actually be an 11 HP hand-guided tractor (see note No. 9, below).

4. FBIS, 6 Mar 1957, p. bbb-4. The article states that 2,178 million yuan is equal to the cost of 210,000 standard 15 HP tractors.

5. Costs and price were given as identical - there was no factory mark-up on tractors.

6. TKP, 5 Oct 1960, Peking, p. 3.

7. TKP, 30 Apr 1961, Peking.

8. Barry M. Richman, A Firsthand Study of Industrial Management in Communist China, University of California, Los Angeles, 1967, p. 61. The value of 15,000 tractors produced at Loyang Tractor Plant is given as 300 to 325 million yuan. The average price is used as the price of the Tung-fang-hung 54 tractor because this plant produced mainly that model through 1965.

9. This source reported the price to be that of a Tung-fang-hung 54 tractor from the Loyang Tractor Plant in 1973. Because the Loyang plant was not making the Tung-fang-hung 54 at that time, the price has been assigned to the Tung-fang-hung 75, which was in current production in 1973.

The price series for tractors (in current yuan per standard 15 HP unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1957	10,370	
1965	8,681	
1972	10,720	The mean of the unit prices for the six large tractors in 1972-1974.

VIII. Railroad Rolling Stock and Equipment

1. Steam Locomotives

Two types of steam locomotives are priced. The MK-1 (a copy of the Japanese Mikado locomotive), with 1,500 HP was produced from 1952 through 1957. The Peace model with 2,780 HP[1], appeared in prototype form in 1956 and was the production mainstay for steam locomotives during the 1960s.

ITEM	YEAR	YUAN/UNIT
MK-1	1952	200,000[2]
MK-1	1954	182,000[3]
MK-1	1957	181,540[4]

Notes and sources:

1. People's China, 1 Nov 1957, p. 34.

2. The ex-factory price of this locomotive, as reported.

3. TKP, 28 Dec 1954, Hong Kong. There was a 20,000 yuan cost reduction for the production of the MK-1 steam locomotive. It is assumed that 90% of the savings were passed on in the form of a reduction of the 1952 ex-factory unit price.

4. Calculated from the 1952 price by use of the .9077 Shanghai Wholesale Price Index. This price then implies a mark-up of 7% over the average cost of 169,686 yuan given in CHKY, No. 6, 1958, p. 9, and an 18% mark-up over the cost of the low cost producer in the same article. These mark-ups were applied to the freight car costs in the next section.

No price reference for a Chinese Peace locomotive has been found. The 1957 price has been estimated by analogy with Soviet locomotive prices for models similar

to the Chinese units. The 1965 price was estimated by deflating the 1957 price by an index of boiler prices. Prices of Soviet steam locomotives (in 1955 rubles) are as follows:

MODEL	DESCRIPTION	PRICE
L	Steam locomotive, 102 tons, 2-10-0 wheel arrangement	465,000[1]
LV	Steam locomotive, 122 tons, 2-10-2 wheel arrangement	600,000[1]

Notes and sources:

1. USSR, Ministerstvo Finansov, Spravochnik tsen na Stroitel'nyye materialy i oborudovaniye (Handbook of Prices for Construction Materials and Equipment), Moscow, 1956, Part II, pp. 877-878.

The ratio of the price of a Chinese Peace locomotive to the price of the Chinese MK-1 locomotive is estimated to have been the same as the ratio of the Soviet price of the LV locomotive and the L locomotive. The price of a Chinese Peace locomotive in 1957 yuan is calculated as 1.29 times the 1957 unit price of the MK-1

Two price series for steam locomotives (in current yuan per unit) are derived from the data above, as follows:

a. MK-1 Locomotive

YEAR	PRICE	COMMENT
1952	200,000	
1957	181,540	The 1952 unit price deflated by the Shanghai Wholesale Price Index

b. Peace Locomotive

YEAR	PRICE	COMMENT
1957	234,200	The unit price of the MK-1 in 1957 yuan times 1.29.
1965	201,720	The 1957 unit price deflated by an index of the unit price of boilers in 1957 and 1965. (1957=100.0, 1965=86.1)

2. Diesel Locomotives

No price reference for a Chinese diesel locomotive has been found. The 1957 price has been estimated by analogy with Soviet locomotive prices for models similar to the Chinese units. The 1965 and 1972 prices have been estimated by deflating the 1957 price by an index derived from the prices of diesel engines and electric motors. Prices of Soviet locomotives (in 1955 rubles) are as follows:

MODEL	DESCRIPTION	PRICE
L	Steam locomotive, 102 tons, 2-10-0 wheel arrangement	465,000[1]
TE-3	Diesel locomotive, 2000 HP	1,600,000[2]

Notes and Sources:

1. USSR, Ministerstvo Finansov, op.cit., p. 877-878.

2. Belen'ky, M.N., Teplovoznaya tyagi i yeye effektivnost (Diesel Traction and its Effectiveness), Moscow, 1956, p. 65.

The ratio of the price of a Chinese 2000 HP diesel locomotive to the price of the Chinese MK-1 steam locomotive is estimated to have been the same as the ratio of the Soviet price of the TE-3 diesel locomotive and the L type steam locomotive. The price of a Chinese diesel locomotive in 1957 yuan is calculated as 3.44 times the 1957 unit price of the MK-1

The prices of diesel locomotives in 1965 and 1972 are estimated by deflating the 1957 price by an index for the price of major components. The price index (1957=100) is derived as follows:

ITEM	1965	1972
Diesel Engines	94.7	97.3
Electric Motors	79.0	55.3
Average of Above	86.8	76.3

The price series for diesel locomotives (in current yuan per 2000 HP) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1957	625,000	The price of the MK-1 in 1957 yuan times 3.44.
1965	542,500	The 1957 price deflated by the price index for major components.
1972	476,900	The 1957 price deflated by the price index for major components.

3. Freight Cars

ITEM	YEAR	YUAN/UNIT
U-50 Gondola car	1957	15,730[1]

Notes and sources:

1. CHKY, No. 6, 1958, p. 9. Production costs for two plants manufacturing the U-50 gondola car are given as 16,121 yuan and 13,319 yuan per car. The average cost per freight car of 14,720 yuan was marked up by 7% to yield an estimate of 15,750 yuan for the ex-factory price. A second estimate was made by marking up the low cost producer's cost by 18% for a price of 15,716 yuan. The mean of these two estimates (15,730 yuan) was used as the 1957 unit price. The mark-ups used were derived from the cost and price data for steam locomotives.

The price series for freight cars (in current yuan per unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	17,330	The 1957 unit price inflated by the Shanghai Wholesale Price Index.
1957	15,730	

IX. Merchant Vessels

1. Self-powered Boats

The Min-chu No. 11, a passenger steamship, is priced below by both deadweight tonnage and light-ship displacement (empty weight).

ITEM	WEIGHT	YEAR	YUAN/MT
Passenger Steamship (Min-chu No. 11)			
Deadweight tonnage	1,010[1]	1956	4,946[2]
Light-ship displacement	1,650[1]	1956	3,028[2]

Notes and sources:

1. JPRS, No. 488-D, Design of the Coastal Small-Harbor Passenger-Cargo Ships, Min-chu No. 10 and Min-chu No. 11, 9 Jan 1959, pp. 6-8.

2. ECMM, No. 67, 28 Jan 1957, p. 18 states: "...with 1,988,360,000 yuan we can build ... or 398 passenger steamships such as the Min-chu No. 11 launched in 1956."

Two price series for shipbuilding (in current yuan per deadweight ton and current yuan per light-ship displacement) are derived from the data above, as follows:

YEAR	YUAN/DWT	YUAN/LSD	COMMENT
1952	5,449	3,336	The 1957 unit prices inflated by the Shanghai Wholesale Price Index.
1957	4,946	3,028	

X. Motor Vehicles and Parts

1. Motor Vehicles

The standard item for the price series of motor vehicles is the 4-ton Liberation (Chieh-fang) brand truck. Prices of other motor vehicles are also noted. The variation in the 1971 prices may be explained in part by the priority status of the purchaser. For example, trucks purchased for agricultural work appear to cost less than trucks for other uses. Source No. 1 gave the price for 1960 and 1971 for the same end user, indicating a price reduction over the period. For detailed information on specific truck types, see JPRS, No. 60,262, 12 Oct 1973.

ITEM	YEAR	YUAN/UNIT
Liberation Truck, 4-ton	1960	18,000[1] [3]
Liberation Truck, 4-ton	1964	17,000
Liberation Truck, 4-ton	1971	12,000[1] [3]
Liberation Truck, 4-ton	1971	15,000
Liberation Truck, 4-ton	1971	10,000[2] [5]
Kuang-chou Truck, 3-ton	1971	20,000 [3]
Peiching Jeep (Possibly a small van or bus)	1972	35,000
Liberation Truck, 4-ton	1972	15,566[3]
Liberation Truck, 4-ton	1972	14,500[4]
Liberation Truck, 4-ton	1973	16,000

Notes and sources:

1. Made in Ch'ang-ch'un. Purchaser was an electric power plant.

2. Purchaser was a commune.

3. Unit price for a lot of five trucks. Transport charges may be included.

4. Unit price for a lot of 100 trucks.

The price series for motor vehicles (in current yuan per 4-ton truck) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1957	18,000	The 1960 price.
1965	17,000	The 1964 price.
1972	13,840	The mean of the six 1971-1973 prices.

XI. Telecommunication Equipment and Parts

1. Radio Receivers

a. Vacuum tube radios

A 5-tube, single-band, radio is assumed to be the most common tube type radio and is taken as the standard for the price series. The following are retail prices, not ex-factory prices.

ITEM	YEAR	YUAN/SET
7-tube Shanghai brand	1957	185.00
Model 102, 5-tube 2-band	1961	90.00
Model 101, 5-tube 2-band	1961	80.00
General 5-tube set	1961	50.00 (or less)[1]
3-tube set	1972	18.60[2]
5-tube 2-band set	1972	180.00[2]
8-tube set	1973	80.00 - 120.00[2 5]
4-tube set	1974	45.00[7]
2-band Shanghai brand	1974	120.00[3 5]

Notes and sources:

1. SCMP, No. 2439, 19 Feb 1961, p. 10.
2. Price varied with the brand.
3. A pre-March 1973 price of 144 yuan was also given.

The ratio 45/120, or .375, derived from the 1974 prices for the 4-tube set and the 2-band Shanghai brand set, was used to adjust any 7 or 8 tube set price to a 5-tube price. Thus the 1957 price for a 5 tube radio (69.40 yuan) was derived from the 185 yuan price for the seven tube radio.

To adjust from a 2-band price to single-band price the ratio 50/85, or .588, determined from the 1961 prices, was used.

The price series for tube type radios (in current yuan per set) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	75.00	The 1957 unit price inflated by the consumer goods price deflator of: 1952=100, 1957=92.5.
1957	69.40	.375 times the 1957 unit price of the 7-tube radio set.
1965	50.00	The 1961 unit price.
1972	57.90	The mean of the adjusted unit prices for the five sets 1972-1974.

b. Transistor radios

The following are retail prices, not ex-factory prices.

ITEM	YEAR	YUAN/SET
Mei-to brand, small	1964	160.00
Fei-le brand, large (nine transistors	1964	100.00
Fei-le brand, small (eight transistors)	1964	60.00
Price range in Hei-lung-kiang	1972	25 - 140.00 [8]
Price range in Shanghai city	1972	68 - 80.00 [8]
Price range in Shanghai area	1972	70 - 110.00 [8]
Average transistor price	1972	84.00 [1]
Transistor-national average		
Prior to Oct 1st	1972	92.71 [2]
After Oct 1st	1972	77.57 [2]
Model 802 (8-transistor, 2-band)		
Prior to Mar 1973	1973	130.00 [9]
After Mar 1973	1973	110.00 [9]
Model 703 (7-transistor, 3-band)		
Prior to Mar 1973	1973	110.00 [9]
After Mar 1973	1973	92.00 [9]
Model 602 (6-transistor, 2-band)		
Prior to Mar 1973	1973	76.00 [9]
After Mar 73	1973	55.00 [9]
Model 502 (5-transistor, 2-band)		
Prior to Mar 1973	1973	40.00 [9]
After Mar 1973	1973	35.00 [9]
Model 401 (4-transistor, 1-band)		
Prior to Mar 1973	1973	33.00 [9]
After Mar 1973	1973	19.00 [9]

Notes and sources:

1. Current Scene, Vol. X, No. 1, 7 Jan 1972. A range of 50 to 118 yuan was given.

2. Given as the national average price by this source.

The price series for transistor radios (in current yuan per set) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1957	106.70	The mean of the three 1964 unit prices.
1965	106.70	The mean of the three 1964 unit prices.
1972	92.71	

XII. Cultural and Consumer Products

1. Bicycles

The following are retail prices, not ex-factory prices.

ITEM	YEAR	YUAN/UNIT
The mean of six unit prices	1952	147.16[1]
18" Red Kapok brand	1964	156.70
General price range	1965	150.00-200.00[2]
The average price in the area of:		
Heilungkiang	1972	137.00-170.00[8]
Honan	1972	150.00[8]
Peking	1972	150.00-180.00[8]
Shanghai city	1972	150.00[8]
Shanghai area	1972	160.00[8]
Red Cotton brand	1972	134.00[2]
Yung-chiu brand	1972	175.00[2]
Phoenix brand	1972	176.00[2]
Flying Pigeon brand	1972	180.00[2]
General price in Peking area	1972	137.00[3]
General price in Peking area	1974	153.00[4]

Notes and sources:

1. KYCT, No. 1, 1952 and Kang Chao, The Rate and Pattern of Industrial Growth in Communist China, The University of Michigan Press, Ann Arbor, 1965, p. 157.

2. Lisa Hobbs, I Saw Red China, op. cit., p. 135.

3. Current Scene, Vol. X, No. 1, 7 Jan 1972.

Considering the above prices it appears that the price of bicycles has been reasonably constant

for a number of years. Prices vary between brands from about 135.00 yuan to about 200.00 yuan.

The price series for bicycles (in current yuan per unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1952	147.16	
1957	159.00	Assuming that the price of bicycles has been constant from 1957 through 1972, the mean of the 13 unit prices is used for all those years.
1965	159.00	
1972	159.00	

2. Wristwatches

The following are retail prices, not ex-factory prices.

ITEM	YEAR	YUAN/UNIT
The mean of 27 unit prices	1957	112.00[1]
Average watch	1974	120.00[2] 10

Notes and sources:

1. An average from many reports.

2. Prices vary from 85.00 yuan for the cheapest 17 jewel watch to over 200.00 yuan for other models. The average price of 120.00 yuan is fairly consistent from many reports over a number of years; thus the 1965 and 1972 unit prices have been assumed to be 120.00 yuan.

The price series for wristwatches (in current yuan per unit) is derived from the data above, as follows:

YEAR	PRICE	COMMENT
1957	112.00	
1965	120.00	Assumed to have been constant for 1965-1974.
1972	120.00	Assumed to have been constant for 1965-1974.